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Catalogue of the Neotropical Anthocoridae (Heteroptera)

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■ **ABSTRACT.** A list of the 130 known species of Anthocoridae to occur in the Neotropics is presented. They are arranged in three subfamilies, seven tribes, and 36 genera. Distributional data and bibliographical references of each taxon are also included. Two genera restore generic level; there are 13 new combinations, two genera and seven species synonymized and 11 lectotypes were designed.

KEY WORDS. Catalogue. Neotropical Anthocoridae.

■ **RESUMEN. Catálogo de las Anthocoridae Neotropicales (Heteroptera).** Se ofrece una lista de las 130 especies conocidas de la Región Neotrópica de Anthocoridae, que se incluyen en las tres subfamilias hoy aceptadas, en siete tribus y 36 géneros, que se encuentran presentes en esta región, se da la distribución y referencias bibliográficas para cada taxón mencionado. Dos subgéneros recuperan el nivel genérico; hay 13 nuevas combinaciones, dos géneros y siete especies como nuevas sinonimias y se designan 11 lectotipos.

PALABRAS CLAVE. Catálogo. Anthocoridae neotropicales.

INTRODUCTION

The family Anthocoridae Fieber, 1836, erroneously mentioned by some authors (Blatchley, 1926; Froeschner, 1981 and 1985) as Amyot & Serville, 1843, includes the subfamilies Lasiochilinae Carayon, 1972a, Lyctocorinae Reuter, 1884 and Anthocorinae Fieber, 1836.

A complete list of the Neotropical Anthocoridae is lacking. Stål (1873) presented the first list for the extraeuropean Anthocoridae, including nine species arranged in eight genera. Reuter (1884) redescribed all the known, and several new taxa of this family. This pioneer work, which includes 39 Neotropical species in 13 genera, being the most complete reference for heteropterists for a long time. Champion (1900) made the last comprehensive study of the Mesoamerican fauna, listing 19 genera and 54 species. After it, only partial studies concerning Neotropical "pirate bugs" were published by Pennington (1921) for Argentina, da Costa Lima (1940) for Brazil, Ruffinelli & Piran (1959) for Uruguay, Froeschner (1981) for Ecuador, Froeschner (1985) for Galapagos and Carpintero *et al.*, (1996) for Nicaragua. The purpose of this contribution is to provide a complete enumeration of all known species of Anthocoridae from the Neotropics.

The structure of the "Catalogue of the Heteroptera of the Palaearctic Region" (Aukema & Rieger, 1995) is used here. Valid names of genera and subgenera are given with author and date in bold, centred headings. Under the heading the valid name and the synonyms are given in chronological order with a reference, information on original rank, availability, homonymies, and synonymization, or changes of rank. The type species is always mentioned. Valid names of species are cited as bold, left margined headings. Under the heading, valid name and synonyms are given in chronological order, with reference, information on availability, homonymy, and synonymization or change of rank. Information on type material is given as complete as possible, v.g. Category: sex, type-locality, repository. The categories of types are given as follows: HT for holotype, LT for lec-

totype, and STS for syntypes. Names of countries in type–localities are abbreviated as under distribution.The abbreviations together with full data on the repositories are listed below. Distributional information (Dist.) is given for each species represented in the Neotropical Region. Names of countries are abbreviated with a unique two letter code as listed below. New records are not indicated as must (nearly 75%) of the distributional information is new. Under references (Ref.) the complete bibliography of each neotropical taxon is given, as well as the most important bibliography for Anthocoridae from other regions.

Taxonomical Changes proposed here

Restored generic level: *Dilasia* Reuter, 1871b and *Dasypterus* Reuter, 1871b.

New combinations (N. COMB.): *Anthocoris obsoletus* (Blanchard, 1853). *Cardiastethus elegans* (Blanchard, 1853); *Cardiastethus testaceus* (Blanchard, 1853); *Dasypterus discifer* (Stål, 1860); *Dasypterus ophthalmicus* (Reuter, 1884); *Dilasia ashlocki* (Herring, 1966a); *Dilasia basalis* (Reuter, 1884); *Dilasia foveicollis* (Champion, 1900); *Dilasia reuteri* (Champion, 1900); *Dilasia unicolor* (Reuter, 1884); *Eusolenophora divisa* (Champion, 1900); *Lasiocolpus rostralis* (Poppius, 1909); *Plochiocoris pilosus* (Reuter, 1908).

New synonymies (N. SYN.). Genera: *Dolichiella* Reuter, 1908 (= *Plochiocoris* Champion, 1900); *Whiteiella* Poppius, 1909 (= *Lasiocolpus* Reuter, 1884). **Species:** *Anthocoris parvulus* Blanchard, 1853 (= *Orius insidiosus* (Say, 1832)); *Lasiochilus comitialis* Drake & Harris, 1926 (= *Dilasia fuscula* Reuter, 1871b); *Lasiochilus fraternus* Uhler, 1894 (= *Alofa sodalis* (Buchanan–White, 1879)); *Lasiochilus gerhardi* Blatchley, 1926 (= *Lasiochilus mirificus* Drake & Harris, 1926); *Orius reedi* (Buchanan–White, 1879) (= *Orius brevicollis* (Blanchard, 1853)); *Plochiocoris comptulus* Drake & Harris, 1926 (= *Plochiocoris longicornis* Champion, 1900); *Poronotus bicolor* Poppius, 1909 (= *Alofa sodalis* (Buchanan–White, 1879)).

Lectotypes (HEREIN DESIGNED): *Dilasia reuteri* (Champion, 1900); *EuLasiocolpus megalops* Champion, 1900; *Eusolenophora divisa* (Champion, 1900); *Lasiochilus pallidulus* Reuter, 1871b; *Lasiochilus punctipennis* Champion, 1900; *Lasiocolpoides ciliatus* Champion, 1900; *Lasiocolpus elegans* Reuter, 1884; *Lasiocolpus minor* Champion, 1900; *Lasiocolpus unicolor* Poppius, 1909; *Plochiocoris longicornis* Champion, 1900; *Plochiocoris pilosus* (Reuter, 1908).

Abbreviations of Repositories.

BMNH Natural History Museum, London, Great Britain.

CASC California Academy of Sciences, San Francisco, California, United States of America.

CNCI Canadian National Collection of Insects, Ottawa, Canada.

CUTC Cornell University Type Collection, Ithaca, New York, United States of America.

HNHM Hungarian Natural History Museum, Budapest, Hungary.

ISNB Institut Royal des Sciences Naturelles de Belgique, Brussels, Belgium.

MCSN Museo Civico di Storia Naturale "Giacomo Doria", Genoa, Italy.

MNHN Muséum National d'Histoire Naturelle, Paris, France.

MZHF Zoological Museum, University of Helsinki, Finland.

NHMW Naturhistorisches Museum Wien, Austria.

NHRS Naturhistoriska Riksmuseet, Stockholm, Sweden.

PMAG Perth Museum and Art Gallery, Perth, Great Britain.

PUNI Purdue University, Western Lafayette, Indiana. United States of America.

USNM United States National Museum of Natural History, Washington, D. C., United States of America.

ZMHB Zoologisches Museum, Humboldt Universität, Berlin, Germany.

ZMUC Zoological Museum, University of Copenhagen, Danmark.

Distributional Abbreviations

CA: Central America (including all Mexico); **CI:** Caribbean Islands; **PC:** Pacific Islands; **SA:** South America.

AR: Argentina (Provinces): bue: Buenos Aires; cat: Catamarca; cba: Córdoba; cha: Chaco; chu: Chubut; cor: Corrientes; ent: Entre Ríos; for: Formosa; juj: Jujuy; lap: La Pampa; lar: La Rioja; mis: Misiones; mza: Mendoza; neu: Neuquén; rio: Río

Negro; sal: Salta; scr: Santa Cruz; sfe: Santa Fe; slu: San Luis; sju: San Juan; sde: Santiago del Estero; tdf: Tierra del Fuego; tuc: Tucumán.

BA: Bahamas; BZ: Belize; BO: Bolivia; BR: Brazil; CB: Cuba; CC: Coco I.(CR).

CH: Chile (Regions): I: Tarapacá; II: Antofagasta; III: Atacama; IV: Coquimbo; V: Valparaíso (and Santiago); VI: O'Higgins; VII: Maule; VIII: Bio–bío; IX: Araucanía; X: Los Lagos; XI: Aisén; XII: Magallanes.

CO: Colombia; CR: Costa Rica; CY: Cayman Is.(United Kingdom); DM: Dominica; DR: Dominican Republic; EC: Ecuador; ES: El Salvador; GA: Galápagos Is. (EC); GD: Guadalupe I. (France); GF: Guiana (France); GI: Grenadines Is. (SV); GN: Grenada; GT: Guatemala; GY: Guyana; HA: Haití; HD: Honduras; JF: Juan Fernández Is. (CH); JM: Jamaica; MX: Mexico; NA: Dutch Antilles; NC: Nicaragua; PA: Paraguay; PE: Perú; PN: Panamá; PR: Puerto Rico; RN: Rapa Nui (or Eastern) Is. (CH); SR: Suriname; SV: St. Vincent; TT: Trinidad and Tobago.

UR: Uruguay (Departments): art: Artigas; can: Canelones; cer: Cerro Largo; col: Colonia; dur: Durazno; fli: Florida; flo: Flores; lav: Lavalleja; mal: Maldonado; mvi: Montevideo; pdu: Paysandú; rin: Río Negro; riv: Rivera; roc: Rocha; sjo: San José; sor: Soriano; sto: Salto; tbo: Tacuarembó; tre: Treinta y Tres.

VG: Virgin Is. (USA and UK); VN: Venezuela.

RESULTS

Family **ANTHOCORIDAE** Fieber, 1836

ANTHOCORIDAE Fieber, 1836:106 (Anthocoridea). Type genus *Anthocoris* Fallén, 1814.

Ref.: Stål, 1860 (list); Reuter, 1884 (monogr.); Champion, 1900 (key, descr.); Ruffinelli & Pirán , 1959 (cat.); Carayon, 1972a (descr.); Péricart, 1972 (monog.); Kelton, 1978 (key, descr.); Froeschner, 1981 (cat.).

Subfamily **LASIOCHILINAE** Carayon, 1972a

LASIOCHILINAE Carayon, 1972a:334. Type genus: *Lasiochilus* Reuter, 1871b.

Ref.: Herring, 1976 (key); Kelton, 1978 (descr.); Froeschner, 1981 (cat.); 1985 (cat.); Schuh, 1986 (new status); Henry, 1988 (cat.); Schuh & Stÿs, 1991 (descr.).

Genus ***Dilasia*** Reuter, 1871b

Dilasia Reuter, 1871b: 563. (Reuter, 1884: 575, as subgenus of *Lasiochilus*). Type species by monotypy: *Dilasia fuscula* Reuter, 1871b.

Dilasia ashlocki (Herring, 1966a) (N. COMB.).
Lasiochilus ashlocki Herring, 1966a: 128. HT: male, CC, Chatham Bay. CASC.
Dist. PC: CC.

Dilasia basalis (Reuter, 1884) (N. COMB.).
Lasiochilus basalis Reuter, 1884: 570. HT: female, VN, LaGuayra. MNHN.
Dist. CA: MX. **CI:** GN. **SA:** VN.
Ref.: Uhler, 1894 (rec.).

Dilasia colludens (Buchanan–White, 1879)
Cardiastethus colludens Buchanan–White, 1879: 142. (transferred to *Lasiochilus (Dilasia),* Reuter, 1884: 575). HT: female. BR. PMAG.
Dist. SA: AR(sal, sfe), BR.

Dilasia foveicollis (Champion, 1900) (N. COMB.).
Lasiochilus foveicollis Champion, 1900: 309. HT: male, PN, David. BMNH.
Dist. CA: CR, NC, PN. **CI:** GN, JM, SV.
Ref.: Carpintero *et al.*, 1996 (cat.).

Dilasia fuscula Reuter, 1871b
*Dilasia fuscula*Reuter, 1871b: 563 (transferredto *Lasiochilus* Reuter, 1884: 577). HT: female, United States, Texas. MZHF.
Lasiochilus comitialis Drake & Harris, 1926: 34. **(N. SYN.).** HT: male. United States, North Carolina. USNM.
Dist. CA: MX. **CI:** GN(?).
Ref.: Stål, 1873 (list); Uhler, 1894 (rec.); Van Duzee, 1916 (list); 1917 (cat.); Blatchley, 1926 (descr.); Drake & Harris, 1926 (rec.); Kelton, 1978 (descr.); Henry, 1988 (cat.).

Dilasia reuteri (Champion, 1900) (N. COMB.).
Lasiochilus reuteri Champion, 1900: 308. LT: female, GT, El Zumbador. BMNH **(HEREIN DESIGNATED).**
Dist. CA: GT, HD, PN.

Dilasia unicolor (Reuter, 1884) (N. COMB.).

Lasiochilus unicolor Reuter, 1884: 573. HT: female. VN, La Guayra. MNHN.
Dist. CA: PN. **CI:** CB, DR, TT. **SA:** VN.

Genus ***Eusolenophora*** Poppius, 1909

Eusolenophora Poppius, 1909: 24. Type species by monotypy: *Eusolenophora testacea* Poppius, 1909.

Eusolenophora divisa (Champion, 1900) (N. COMB.).
Lasiochilus divisus Champion, 1900: 310. LT: female, MX, Teapa, Tabasco. BMNH **(HEREIN DESIGNATED).**
Dist. CA: GT, HD, MX, PN. **CI:** GN, JM, PR, TT.
Ref.: Drake & Harris, 1926 (rec.); Henry, 1988 (cat.).

Eusolenophora testacea Poppius, 1909
Eusolenophora testacea Poppius, 1909: 25. HT: female. PA, Pto. 14 de Mayo. MCSN.
Dist. SA: AR(bue, juj, mis, sal), BO, PA.

Genus ***Lasiochilus*** Reuter, 1871b

Lasiochilus Reuter, 1871b: 562. Type species by monotypy: *Lasiochilus pallidulus* Reuter, 1871b.
Ref.: Stål, 1873 (cat.); Reuter, 1884 (descr.); Uhler, 1894 (list); Champion, 1900 (key, descr.); Van Duzee, 1916 (list); Blatchley, 1926 (key, descr.); Drake & Harris, 1926 (list); Herring, 1976 (key); Kelton, 1978 (key, descr.); Henry, 1988 (cat.).

Lasiochilus galateae Reuter, 1884
Lasiochilus galateae Reuter, 1884: 16. STS. BR, Rio Janeiro; Bahia. PMAG.
Dist. SA: AR(mis), BR, EC, PE.
Ref.: Poppius, 1909 (list).

Lasiochilus hirtellus Drake & Harris, 1926
Lasiochilus hirtellus Drake & Harris, 1926: 33. HT: male. United States, Alabama. USNM.
Dist. CA: MX. **CI:** CB, HA.
Ref.: Henry, 1988 (cat.).

Lasiochilus microps Champion, 1900
Lasiochilus microps Champion, 1900: 308. HT: female. GT, Cerro Zunil. BMNH.
Dist. CA: CR, GT, HD, MX. **CI:** GD. **SA:** CO, GY.
Ref.: Poppius, 1909 (list).

Lasiochilus mirificus Drake & Harris, 1926
Lasiochilus mirificus Drake & Harris, 1926: 35. HT: female.
United States, Texas. USNM.
Lasiochilus gerhardi Blatchley, 1926: 627 **(N. SYN.).** STS. United States, Florida. PUNI.
Dist. CA: NC. **CI:** GI, GN.
Ref.: Henry, 1988 (cat.).

Lasiochilus pallidulus Reuter, 1871b
Lasiochilus pallidulus Reuter, 1871b: 562. LT: female. United States, Texas. MZHF **(HEREIN DESIGNATED).**
Dist. CA: BZ, GT, MX, NC, PN. **CI:** CB, GD, GN, PR, SV, VG. **PC:** CC, GA. **SA:** AR(bue, cha, cor, ent, mis, sal, sde), BO, BR, EC, GY, PA, PE, VN.
Ref.: Stål, 1873 (list); Reuter, 1884 (descr.); Uhler, 1894 (rec.); Champion, 1900 (descr.); Van Duzee, 1916 (list); 1917 (cat.); Blatchley, 1926 (descr.); Herring, 1966a (rec.); Froeschner, 1981 (cat.); 1985 (cat.); Henry, 1988 (cat.); Carpintero *et al.*, 1996 (cat).

Lasiochilus punctipennis Champion, 1900
Lasiochilus punctipennis Champion, 1900: 308. LT: male. PN, Vn. de Chiriqui. BMNH **(HEREIN DESIGNATED).**
Dist. CA: GT, MX, NC, PN. **SA:** VN.

Lasiochilus sulcatus Champion, 1900
Lasiochilus sulcatus Champion, 1900: 310. HT: female. PN, David. BMNH.
Dist. CA: PN. **SA:** VN.

Lasiochilus sulcicollis Reuter, 1884
Lasiochilus sulcicollis Reuter, 1884: 574. HT: female. BR, Rio Janeiro. ISNB.
Dist. SA: BR, VN.

Lasiochilus varicolor Uhler, 1894
Lasiochilus variabilis Uhler, 1894: 167. (error for *varicolor*).
Lasiochilus varicolor Uhler, 1894: 198. STS. GN, Balthazar, Chantilly, Mt. Gay and Grand Etang. BMNH.
Dist. CA: HD, NC. **CI:** GD, GI, GN, JM, SV, TT. **SA:** CO.
Ref.: Poppius, 1909 (rec.); Carpintero *et al.*, 1996 (cat.).

Genus ***Lasiocolpus*** Reuter, 1884
Lasiocolpus Reuter, 1884: 582. Type species by

subsequent designation (Kirkaldy, 1906: 120) *Lasiocolpus sinuaticollis* Reuter, 1884.

Whiteiella Poppius, 1909: 14. Type species by monotypy *Whiteiella rostralis* Poppius, 1909 **(N. SYN.).**

Ref.: Champion, 1900 (key, descr.); Drake & Harris, 1926 (list).

Lasiocolpus biguttatus Poppius, 1909

Lasiocolpus biguttatus Poppius, 1909: 10. HT: male. BR, Sta. Catarina. ZMHB.

Dist. SA: BR.

Lasiocolpus elegans Reuter, 1884

Lasiocolpus elegans Reuter, 1884: 583. LT: female. CO. MZHF **(HEREIN DESIGNATED).**

Dist. SA: BO, CO.

Lasiocolpus minor Champion, 1900

Lasiocolpus minor Champion, 1900: 312. LT: male. PN, Bugaba BMNH **(HEREIN DESIGNATED).**

Dist. CA: GT, NC, PN.

Ref.: Drake & Harris, 1926 (rec.).

Lasiocolpus rostralis (Poppius, 1909) (N. COMB.)

Whiteiella rostralis Poppius, 1909: 14 STS. PA, Pto. 14 de Mayo. MCSN.

Dist. SA: AR (mis), BR, PA.

Lasiocolpus sinuaticollis Reuter, 1884

Lasiocolpus sinuaticollis Reuter, 1884: 583. HT: female. MX, Vera Cruz. NHRS.

Dist. CA: GT, MX, NC, PN.

Ref.: Champion, 1900 (descr.).

Lasiocolpus unicolor Poppius, 1909

Lasiocolpus unicolor Poppius, 1909: 10. LT: male. BO, Mapiri. HNHM **(HEREIN DESIGNATED).**

Dist. SA: BO, BR, PE.

Genus ***Plochiocoris*** Champion, 1900

Plochiocoris Champion, 1900: 314. Type species by monotypy *Plochiocoris longicornis* Champion, 1900.

Dolichiella Reuter, 1908: 6 **(N. SYN.).** Type species by monotypy

Dolichiella pilosa Reuter, 1908.

Ref.: Herring, 1976a (key).

Plochiocoris longicornis Champion, 1900

Plochiocoris longicornis Champion, 1900: 315. LT: male. PN, David in Chiriqui. BMNH **(HEREIN DESIGNATED).**

Plochiocoris comptulus Drake & Harris, 1926: 36 **(N. SYN.).** HT: male. United States, Texas. USNM.

Dist. CA: NC, PN. **CI:** GN. **SA:** AR(sfe, mis), BR.

Ref.: Henry, 1988 (cat.); Carpintero *et al.*, 1996 (cat.).

Plochiocoris pilosus (Reuter, 1908) (N. COMB.)

Dolichiella pilosa Reuter, 1908: 7. LT: female. VN, La Moka. MZHF **(HEREIN DESIGNATED).**

Dist. SA: AR(mis), BR, VN.

Subfamily **LYCTOCORINAE** Reuter, 1884

LYCTOCORINAE Reuter, 1884: 559 (Lyctocoraria). Type genus: *Lyctocoris* Hahn, 1836.

Ref.: Reuter, 1884 (descr.); Champion, 1900 (descr.); Carayon, 1972a (descr.); Péricart, 1972 (descr.); Herring, 1976 (key); Kelton, 1978 (descr.); Henry, 1988 (key); Schuh & Stys, 1991 (systematic position).

Tribe **LYCTOCORINI** Reuter, 1884

Genus ***Astemmocoris*** Carayon & Usinger, 1965

Astemmocoris Carayon & Usinger, 1965: 200. Type species by monotypy *Astemmocoris cimicoides* Carayon & Usinger, 1965.

Astemmocoris cimicoides Carayon & Usinger, 1965

Astemmocoris cimicoides Carayon & Usinger, 1965: 200. HT: female. PE, Monzon Valley, Tingo Maria. MNHN.

Dist. SA: CO, GF, PE.

Genus ***Lyctocoris*** Hahn, 1836

Lyctocoris Hahn, 1836: 19. Type species by subsequent designation (Reuter, 1888: 409): *Cimex domesticus* (Schilling, 1834) (junior synonym of *Acanthia campestris* Fabricius, 1794).

Ref.: Reuter, 1884 (descr.); Champion, 1900 (descr.); Péricart, 1972 (descr.).

Subgenus ***Lyctocoris*** Hahn, 1836

Lyctocoris campestris (Fabricius, 1794)

Acanthia campestris Fabricius, 1794: 75. LT (Péri-

cart, 1970: 745): female, Denmark, Sjaelland. ZMUC.(senior synonimy of *Cimex domesticus* Schilling, 1834) (Transferred to *Lyctocoris* by Hahn, 1836).

Dist. CA: MX. **PC:** JF. **SA:** AR (bue, cba, cha, neu, rio, sde, sfe, tuc), BR, CH (III, IV, VII), UR.

Ref.: Reuter, 1884 (descr.); Champion, 1900 (rec.); Poppius, 1909 (rec.); Van Duzee, 1917 (cat.); Bergroth, 1923 (rec.); Blatchley, 1926 (descr.); da Costa Lima, 1940 (rec.); Ruffinelli & Pirán, 1959 (rec.); Kelton, 1978 (descr.).

Lyctocoris latus Poppius, 1909

Lyctocoris latus Poppius, 1909: 7. STS. PE, Marcapata. MZHF.

Dist. SA: PE.

Lyctocoris mexicanus Kelton, 1966

Lyctocoris mexicanus Kelton, 1966: 320. HT: male. MX, Durango. CNCI.

Dist. CA: MX.

Ref.: Kelton, 1967 (rec.).

Subgenus ***Metriosteles*** Reuter, 1884

Metriosteles Reuter, 1884: 563. Type species by original designation: *Lyctocoris spanbergii* Reuter, 1884: 563.

Lyctocoris signoreti Reuter, 1884

Lyctocoris signoreti Reuter, 1884: 564. HT: male. VN, La Guayra. HNHM.

Dist. SA: VN.

Lyctocoris spanbergii Reuter, 1884

Lyctocoris spanbergii Reuter, 1884: 563. HT: male. VN, La Guayra. MNHN.

Dist. SA: VN.

Tribe **XYLOCORINI** Carayon, 1972a

XYLOCORINI Carayon, 1972a: 337. Type genus *Xylocoris* Dufour, 1831.

Ref.: Schuh & Stys, 1991 (systematic position).

Genus ***Xylocoris*** Dufour, 1831

Xylocoris Dufour, 1831: 423. Type species by monotypy: *Xylocoris rufipennis* Dufour, 1831 (junior synonym of *Lygaeus cursitans* Fallén, 1807) (Sweden).

Piezostethus Fieber, 1860: 265 (syn. Kirkaldy, 1906: 119). Type species by subsequent designation (Kirkaldy, 1906: 119): *Xylocoris rufipennis* Dufour, 1831.

Ref.: Champion, 1900 (descr.); Carayon, 1972b (descr.); Péricart, 1972 (descr.); Kelton, 1978 (descr.).

Subgenus ***Arrostelus*** Kirkaldy, 1906

Arrostus Reuter, 1884: 590 (as subgenus of *Piezostethus*) (junior homonym of *Arrostus* Fahreus, 1872, Coleoptera). Type species by monotypy: *Piezostethus flavipes* Reuter, 1884.

Arrostelus Kirkaldy, 1906: 119. New name for *Arrostus* Reuter.

Xylocoris flavipes (Reuter, 1875)

Piezostethus flavipes Reuter, 1875: 65. LT (Péricart, 1970: 746, as Type): female. Algeria, Biskra. MNHN.

Dist. SA: AR (bue, ent, lap, sal, sde), BR, UR (mvi).

Ref.: Reuter, 1884 (descr.); Poppius, 1909 (rec.); Zacher, 1923 (note); Ruffinelli & Pirán, 1959 (rec.); Carayon, 1972b.

Subgenus ***Proxylocoris*** Carayon, 1972

Proxylocoris Carayon, 1972b: 594 (as subgenus of *Xylocoris*). Type species by original designation *Piezostethus afer* Reuter, 1884.

Xylocoris afer (Reuter, 1884)

Piezostethus afer Reuter, 1884: 593. LT (Péricart, 1970: 748): female. S. Africa, Damara. NHRS.

Dist. CA: NC. **CI:** CY. **SA:** AR(mis), BR, GY, PA, VN.

Ref.: Poppius, 1909 (rec.); Carayon, 1972b (descr.); Carpintero *et al.*, 1996 (cat.).

Xylocoris albonotatus (Champion, 1900)

Piezostethus albonotatus Champion, 1900: 316. STS. GT, El Tumbador; Las Mercedes; Pantaleon; Zapote. PN, Bugaba; Tolé. BMNH.

Dist. CA: GT, PN.

Ref.: Carayon, 1972b.

Xylocoris bimaculatus (Champion, 1900)

Piezostethus bimaculatus Champion, 1900: 316. STS. GT, Pantaleon. BMNH.

Dist. CA: GT.

Ref.: Carayon, 1972b.

Xylocoris cacti Carayon, 1972b

Xylocoris cacti Carayon, 1972b: 595. HT: female.

MX, 5 mi. SO Aguascalientes. USNM.
Dist. CA: MX.

Xylocoris sordidus (Reuter, 1871b)
Piezostethus sordidus Reuter, 1871b: 560. STS. United States,
Texas; BR. NHRS and NHMW.
Piezostethus binotatus Reuter, 1871b: 560 (syn. by Reuter, 1884: 564). STS. United States, Carolina meridionali. NHRS.
Piezostethus galactinus (sensu Champion, 1900).
Dist. CA: BZ, GT, MX, PN. **CI:** GD, GN, SV. **PC:** GA. **SA:** AR(bue, sde), BR.
Ref.: Stål, 1873 (cat.); Uhler, 1894 (rec.); Poppius, 1909 (rec.); Van Duzee, 1917 (cat.); Blatchley, 1926 (descr.); Herring, 1966a (cat.); Carayon, 1972b (descr.); Froeschner, 1985 (descr.).

Subgenus ***Xylocoris*** Dufour, 1831.
Xylocoris vicarius (Reuter, 1884)
Piezostethus vicarius Reuter, 1884: 600. STS. CO, Bogota; Am. septentrionalis. NHRS.
Dist. SA: CO.
Ref.: Van Duzee, 1917 (cat.); Blatchley, 1926 (descr.); Carayon, 1972b (descr.).

Tribe **DUFOURIELLINI**
Van Duzee, 1916

DUFOURIELLINI Van Duzee, 1916: 35 (part.). Type genus *Dufouriellus* Kirkaldy, 1906.
CARDIASTETHINI Carayon, 1972a: 338 (Syn. Stÿs, 1975: 161). Type genus: *Cardiastethus* Fieber, 1860.

Genus *Alofa* Herring, 1976

Alofa Herring, 1976: 150. Type species by monotypy: *Cardiastethus sodalis* Buchanan–White, 1879.

Alofa sodalis (Buchanan–White, 1879)
Cardiastethus sodalis Buchanan–White, 1879: 142. STS. United States, Hawaii. HNHM.
Lasiochilus fraternus Uhler, 1894: 199 **(N. SYN).** STS. GN, Balthazar; Mt. Gay; St. George. BMNH.
Poronotus bicolor Poppius, 1909: 15 **(N. SYN.).** STS. EC, Guayaquil. NHMW; GD, ISNB.
Dist. CI: GD, GN. **PC:** GA, RN. **SA:** AR(bue, cha, for, sde), EC, PA.
Ref.: Reuter, 1884 (descr.); Herring, 1966a (cat.); Froeschner, 1981 (rec.); 1985 (rec.); Carpintero *et al.*, 1996 (cat.).

Genus ***Amphiareus*** Distant, 1904

Amphiareus Distant, 1904 (August): 220. Type species by original designation: *Xylocoris fulvescens* Walker, 1872 (= *Xylocoris constrictus* Stål, 1860).
Poronotus Reuter, 1871b: 561 (junior homonym of *Poronotus* Gill, 1861, Pisces). Type species by original designation (Kirkaldy, 1906: 120): *Xylocoris constrictus* Stål, 1860.
Poronotellus Kirkaldy, 1904 (November): 280 (syn. Herring, 1965: 203, with *Amphiareus*). New name for *Poronotus* Reuter.
Ref.: Péricart, 1972 (descr.).

Amphiareus constrictus (Stål, 1860)
Xylocoris constrictus Stål, 1860: 44. HT: male. BR, Rio Janeiro. NHRS.
Xylocoris fulvescens Walker, 1872: 160 (syn. Herring, 1965: 202). LT (Péricart, 1972: 269, as type): male. Sri Lanka. BMNH
Dist. CA: MX, NC. **PC:** GA. **SA:** AR (ent, mis), BR, PA.
Ref.: Stål, 1873 (cat.); Reuter, 1884 (descr.); Champion, 1900 (descr); Poppius, 1909 (rec.); Blatchley, 1926 (descr.); Herring, 1965 (note); 1966a (rec.); Froeschner, 1981 (rec.); Carpintero *et al.*, 1996 (cat.).

Genus ***Buchananiella*** Reuter, 1884

Buchananiella Reuter, 1884: 681. Type species by subsequent designation (Kirkaldy, 1906: 121): *Cardiastethus continuus* Buchanan–White, 1879.
Ref.: Péricart, 1972 (descr.).

Buchananiella continua (Buchanan–White, 1879)
Cardiastethus continuus Buchanan–White, 1879: 142. STS. Madeira Is. MZHF.
Dist. SA: AR (bue, cba, cha, ent, for, rio), CH(IV, V, VII, IX).
Ref.: Reuter, 1884 (descr.).

Buchananiella devia Bergroth, 1923
Buchananiella devia Bergroth, 1923: 399. HT: male. JF, Masatierra. NHRS.
Dist. PC: JF.

Genus ***Cardiastethus*** Fieber, 1860

Cardiastethus Fieber, 1860: 266. Type species by subsequent designation (Kirkaldy, 1906: 121): *Cardiastethus luridellus* Fieber, 1860 (United States).
Ref.: Champion, 1900 (descr.); Carayon, 1972a (descr.); Péricart, 1972 (descr.); Kelton, 1978 (descr.); Froeschner, 1981 (rec.); 1985 (rec.).

Cardiastethus aequinoctialis Poppius, 1909
Cardiastethus aequinoctialis Poppius, 1909: 18. STS. EC, Duran. NHMW.
Dist. PC: GA. **SA:** AR(bue, cha, ent, mis), BO, BR, EC, PA.
Ref.: Froeschner, 1981 (rec.); 1985 (rec).

Cardiastethus cubanus Poppius, 1913
Cardiastethus cubanus Poppius, 1913: 12. STS. CB, Havana. ISNB (lost).
Dist. CI: CB, CY.

Cardiastethus elegans (Blanchard, 1853) (N. COMB.).
Anthocoris elegans Blanchard, 1853: 140. STS. CH. MNHN.
Dist. SA: CH(VIII).
Ref.: Signoret, 1863 (desc.); Stål, 1873 (cat.); Reuter, 1884 (desc.).

Cardiastethus flavus Poppius, 1909
Cardiastethus flavus Poppius, 1909: 17. STS. GD. ISNB, HNHM.
Dist. CI: GD, GN, SV, TT.

Cardiastethus fraterculus Van Duzee, 1907
Cardiastethus fraterculus Van Duzee, 1907: 26. HT. JM, Mendeville. CASC.
Dist. CA: NC. **CI:** JM.

Cardiastethus rugicollis Champion, 1900
Cardiastethus rugicollis Champion, 1900: 331. STS. MX, Teapa in Tabasco; Antilles; SV; GN. BMNH.
Dist. CA: MX, NC. **CI:** CB, GN, SV.
Ref.: Carpintero *et al.*, 1996 (cat.).

Cardiastethus testaceus (Blanchard, 1853) (N. COMB.).
Xylocoris testaceus Blanchard, 1853: 138. STS. CH. MNHN.
Dist. SA: CH(IV).
Ref.: Signoret, 1863 (desc.); Stål, 1873 (cat.); Reuter, 1884 (desc.).

Cardiastethus tropicalis Champion, 1900
Cardiastethus tropicalis Champion, 1900: 331. STS. GT, El Tumbador; C° Zunil; San Gerónimo; Las Mercedes; PN, David. BMNH.
Dist. CA: GT, NC, MX, PN. **CI:** GN.
Ref.: Carpintero *et al.*, 1996 (cat.).

Cardiastethus uhleri China, 1963
Cardiastethus uhleri China, 1963: 715 (new name for *Cardiastethus elegans* Uhler, 1894: 201. STS. GN, Balthazar; Grand Etang; St. George; Mt. Gay. BMNH). (A homonimy of *Anthocoris elegans* Blanchard, 1853).
Dist. CA: PN. **CI:** GN, SV.

Genus ***Dasypterus*** Reuter, 1871b

Dasypterus Reuter, 1871b: 564. Type species by subsequent designation (Kirkaldy, 1906: 121): *Xylocoris limbatellus* Stål, 1860. (syn. with *Cardiastethus* by Reuter, 1884: 693).

Dasypterus assimilis Reuter, 1871b
Dasypterus assimilis Reuter, 1871b: 564. STS. United States, Texas; Carolina Meridionalis. MZHF.
Dist. CA: GT, NC, PN. **CI:** CY.
Ref.: Stål, 1873 (cat.); Reuter, 1884 (desc.); Champion, 1900 (desc.); Poppius, 1909 (rec.); Van Duzee, 1917 (cat.); Blatchley, 1926 (desc.); Carpintero *et al.*, 1996 (cat.).

Dasypterus discifer (Stål, 1860) (N. COMB.)
Xylocoris discifer Stål, 1860: 44. STS. BR. NHRS.
Dist. SA: AR(bue, cor, for, mis), BO, BR, PA, PE.
Ref.: Stål, 1873 (cat.); Reuter, 1884 (desc.); Poppius, 1909 (rec.).

Dasypterus limbatellus (Stål, 1860)
Xylocoris limbatellus Stål, 1860: 44. STS. BR. NHRS.
Dist. CA: GT, NC, PN. **PC:** GA. **SA:** AR(sal), BO, BR, PA.
Ref.: Stål, 1873 (cat.); Reuter, 1884 (desc.); Champion, 1900 (desc.); Poppius, 1909 (rec.); Herring, 1966a (desc.); Froeschner, 1981 (rec.).

Dasypterus ophthalmicus (Reuter, 1884) (N. COMB.)
Cardiastethus ophthalmicus Reuter, 1884: 692.

STS. CO. NHRS.
Dist. CA: NC. **SA:** CO.
Ref.: Poppius, 1909 (rec.); Carpintero *et al.*, 1996 (cat.).

Genus ***Dolostethus*** Henry & Herring, 1978

Dolostethus Henry & Herring, 1978: 521. Type species by monotypy: *Dolostethus pubescens* Henry & Herring, 1978.

Dolostethus pubescens Henry & Herring, 1978
Dolostethus pubescens Henry & Herring, 1978: 522. HT: male. PE, Pasco. CUTC.
Dist. SA: BR, PE.

Genus ***Dufouriellus*** Kirkaldy, 1906

Dufouriellus Kirkaldy, 1906: 121. Type species by monotypy: *Xylocoris ater* Dufour, 1833.
Ref.: Péricart, 1972 (desc.).

Dufouriellus ater (Dufour, 1833)
Xylocoris ater Dufour, 1833: 104. LT (Péricart, 1970: 748) (France, Southwest) MNHN.
Dist. SA: AR(bue), CH(V, VII).
Ref.: Reuter, 1884 (desc.); Van Duzee, 1917 (cat.); Blatchley, 1926 (desc.); Péricart, 1972 (desc.); Kelton, 1978 (desc.); Henry, 1988 (cat.); Péricart, 1996 (cat.).

Genus ***Physopleurella*** Reuter, 1884

Physopleurella Reuter, 1884: 678. Type species by monotypy: *Cardiastethus mundulus* Buchanan–White, 1879 (Hawaii).
Ref.: Blatchley, 1926 (desc.).

Physopleurella floridana Blatchley, 1926
Physopleurella floridana Blatchley, 1926: 621. STS. United States, Florida. PUNI.
Dist. CI: JM. **SA:** AR (ent).

Tribe **SCOLOPINI** Carayon, 1954

SCOLOPINI Carayon, 1954: 601. Type genus: *Scolopa* Carayon, 1954.
Ref.: Carayon, 1972a (desc.); Péricart 1972 (desc.).

Subtribe **SCOLOPINA** Carayon, 1954

Genus ***Lasiochiloides*** Champion, 1900

Lasiochiloides Champion, 1900: 310. Type species by monotypy: *Lasiochiloides denticulatus* Champion, 1900.
Ref.: Drake & Harris, 1926.

Lasiochiloides denticulatus Champion, 1900
Lasiochiloides denticulatus Champion, 1900: 311. HT: male. GT, C° Zunil. BMNH.
Dist. CA: GT.

Lasiochiloides socialis Drake & Harris, 1926
Lasiochiloides socialis Drake & Harris, 1926: 36. HT: male. MX, Nalles. USNM.
Dist. CA: MX.

Genus ***Scolopa*** Carayon, 1954

Scolopa Carayon, 1954: 596. Type species by monotypy: *Scolopa wygodzinskyi* Carayon, 1954.

Scolopa wygodzinskyi Carayon, 1954
Scolopa wygodzinskyi Carayon, 1954: 597. HT: male. BR, Nova Friburgo, Rio. MNHN.
Dist. SA: BR.

Genus ***Scolopella*** Carayon, 1954

Scolopella Carayon, 1954: 599. Type species by monotypy: *Scolopella brasiliensis* Carayon, 1954.

Scolopella brasiliensis Carayon, 1954
Scolopella brasiliensis Carayon, 1954: 600. HT: male. BR, Itatiaya, Rio. MNHN.
Dist. SA: AR(mis), BR.

Genus ***Scolopocoris*** Carayon, 1972a

Scolopocoris Carayon, 1972a: 341. Type species by monotypy: *Scoloposcelis gracilicornis* Poppius, 1909.

Scolopocoris gracilicornis (Poppius, 1909)
Scoloposcelis gracilicornis Poppius, 1909: 25. HT: male. UR, La Sierra. MCSN.
Dist. SA: AR (bue, cba), BR, UR (mal).

Genus ***Scoloposcelis*** Fieber, 1864

Scoloposcelis Fieber, 1864: 66. Type species by monotypy: *Xylocoris crassipes* Flor, 1860 (= *Antho-*

coris pulchella Zettersted, 1838) (Estonia).

Scoloposcelis flavicornis Reuter, 1871b
Scoloposcelis flavicornis Reuter, 1871b: 561. STS. United States, Texas. NHRS.
Dist. CA: GT, MX.
Ref.: Stål, 1873 (cat.); Reuter, 1884 (desc.); Champion, 1900 (rec.); Van Duzee, 1917 (cat.); Blatchley, 1926 (desc.); Kelton, 1978 (desc.).

Subtribe **CALLIODINA** Carayon, 1972a

CALLIODINA Carayon, 1972a: 341. Type genus: *Calliodis* Reuter, 1871b.

Genus ***Calliodis*** Reuter, 1871b

Calliodis Reuter, 1871b: 558. Type species by monotypy: *Calliodis picturata* Reuter, 1871b.
Asthenidea Reuter, 1884: 602. Type species by subsequent designation (Kirkaldy, 1906: 120): *Asthenidea temnostethoides* Reuter, 1884 (syn. by Carayon, 1972a: 341).
Ref.: Champion, 1900 (desc.); Blatchley, 1926 (desc.); Kelton, 1978 (desc.).

Calliodis bifasciatus (Champion, 1900)
Asthenidea bifasciata Champion, 1900: 318. STS. PN, David &Tolé in Chiriqui. BMNH.
Dist. CA: NC, PN. **CI:** TT. **SA:** VN.

Calliodis clarus (Buchanan–White, 1879)
Asthenidea clara Buchanan–White, 1879: 144. STS. BR, Amazon. PMAG.
Dist. SA: BR.
Ref.: Reuter, 1884 (desc.); Poppius, 1909 (rec.); 1913 (rec.).

Calliodis coloratus (Poppius, 1909)
Asthenidea colorata Poppius, 1909: 12. HT: female. BR, Espirito Santo. NHMW.
Dist. SA: BR.

Calliodis crawfordi (Poppius, 1909)
Asthenidea crawfordi Poppius 1909: 11. HT: female. MX, Guadalajara. ISNB (lost).
Dist. CA: MX.

Calliodis curvicrus (Reuter, 1884) (N. COMB.)
Lasiochilus (Semiotoscelis) curvicrus Reuter, 1884: 579. HT: female. BR, Botafogo. ISNB.
Dist. SA: BR.

Calliodis maculipennis (Reuter, 1884)
Asthenidea maculipennis Reuter, 1884: 608. HT: female. VG, St. Thomas I. ZMHB.
Dist. CI: CB, GD, JM, VG.
Ref.: Poppius, 1909 (rec.).

Calliodis nebulosus (Uhler, 1894)
Lasiochilus nebulosus Uhler, 1894: 200. STS. GN, Balthazar; Mt. Gay. BMNH. (transferred to *Asthenidea* by Champion, 1900: 317).
Dist. CA: GT, PN. **CI:** GN, JM. **PC:** CC.
Ref.: Herring, 1966a (rec.); Carpintero *et al.*, 1996 (cat.).

Calliodis pallescens (Reuter, 1884)
Asthenidea pallescens Reuter, 1884: 606. STS. MX, Bilimek (NHMW); Veracruz (NHRS).
Dist. CA: CR, GT, MX, NC. **CI:** GN. **SA:** AR-(cor, juj, mis, sal), BO, BR.
Ref.: Champion, 1900 (rec.); Poppius, 1909 (rec.); Blatchley, 1926 (desc.); Carpintero *et al.*, 1996 (cat.).

Calliodis picturatus Reuter, 1871b
Calliodis picturatus Reuter, 1871b: 559. STS. BR. NHRS.
Dist. SA: AR(bue, cba, mis), BR, GY.
Ref.: Stål, 1873 (rec.); Reuter, 1884 (desc.); da Costa Lima, 1940 (rec.).

Calliodis pictus (Uhler, 1894)
Lasiochilus pictus Uhler, 1894: 167. STS. GN; SV. BMNH. (transferred to *Asthenidea* by Champion, 1900: 318).
Dist. CA: MX, NC. **CI:** GN, SV.
Ref.: Carpintero et al., 1996 (cat.).

Calliodis punctatostriatus (Reuter, 1884)
Asthenidea punctatostriata Reuter, 1884: 605. STS. CO, Bogotá, Nueva Granada. NHRS.
Dist. CA: MX, PN. **SA:** AR(mis), BO, CO.
Ref.: Poppius, 1909 (rec.).

Calliodis signatus (Poppius, 1909)
Asthenidea signata Poppius, 1909: 12. STS. GD. HNHM; ISNB.
Dist. CI: GD.

Genus ***Eulasiocolpus*** Champion, 1900

Eulasiocolpus Champion, 1900: 313. Type species by monotypy: *Eulasiocolpus megalops*

Champion, 1900.
Ref.: Carayon, 1972a (generic position).

Eulasiocolpus megalops Champion, 1900
Eulasiocolpus megalops Champion, 1900: 313. LT: female. PN, Vn. de Chiriqui. ISNB **(HEREIN DESIGNATED).**
Dist. CA: GT, PN. **SA:** BO, BR.

Genus ***Lasiocolpoides*** Champion, 1900

Lasiocolpoides Champion, 1900: 313. Type species by monotypy: *Lasiocolpoides ciliatus* Champion, 1900.
Ref.: Carayon, 1972a (generic position).

Lasiocolpoides ciliatus Champion, 1900
Lasiocolpoides ciliatus Champion, 1900: 314. LT: female. GT, San Gerónimo. BMNH **(HEREIN DESIGNATED).**
Dist. CA: GT.

Genus ***Lepidonannella*** Poppius, 1913

Lepidonannella Poppius, 1913: 15 (New name for *Lepidophorella* Poppius, 1909).
Lepidophorella Poppius, 1909: 34. Type species by monotypy: *Lepidophorella opaca* Poppius, 1909 (junior homonym of *Lepidophorella* Collembola).

Lepidonannella opaca (Poppius, 1909)
Lepidophorella opaca Poppius, 1909: 35. HT: male. BR, São Paulo. HNHM.
Dist. SA: BR.

Genus ***Nidicola*** Harris & Drake, 1941

Nidicola Harris & Drake, 1941: 343. Type species by original designation: *Nidicola marginata* Harris & Drake, 1941.
Ref.: Drake & Herring, 1964.

Nidicola aglaia Drake & Herring, 1964
Nidicola aglaia Drake & Herring, 1964: 59. HT: male. MX. USNM.
Dist. CA: MX.

Nidicola engys Drake & Herring, 1964
Nidicola engys Drake & Herring, 1964: 63. HT: female. MX, Sonora. USNM.
Dist. CA: MX, NC.
Ref.: Carpintero *et al.*, 1996 (cat.).

Nidicola etes Drake & Herring, 1964
Nidicola etes Drake & Herring, 1964: 59. HT: male. MX, S.L. Potosí. USNM.
Dist. CA: MX, NC.

Nidicola marginata Harris & Drake, 1941
Nidicola marginata Harris & Drake, 1941: 344. HT: male. United States, Arizona. USNM.
Dist. CA: MX.
Ref.: Drake & Herring, 1964 (desc.).

Nidicola mazda Herring, 1966a
Nidicola mazda Herring, 1966a: 129. HT: female. GA, Santa Cruzl. USNM.
Dist. PC: GA.
Ref.: Froeschner, 1981 (cat.).

Nidicola mitra Drake & Herring, 1964
Nidicola mitra Drake & Herring, 1964: 61. HT: male. MX. USNM.
Dist. CA: GT, MX, NC.
Ref.: Carpintero *et al.*, 1996 (cat.).

Genus ***Solenonotus*** Reuter, 1871b

Solenonotus Reuter, 1871b: 559. Type species by monotypy: *Anthocoris sulcifer* Stål, 1860.
Ref.: Stål, 1873 (cat.); Reuter, 1884 (key, desc.); Champion, 1900 (key, desc.).

Solenonotus canaliculatus Champion, 1900
Solenonotus canaliculatus Champion, 1900: 334. STS. GT, Pantaleon; PN, Bugaba; San Feliz. BMNH.
Dist. CA: GT, PN. **SA:** BR.

Solenonotus nigromarginatus Champion, 1900
Solenonotus nigromarginatus Champion, 1900: 335. STS. GT, El Reposo; Las Mercedes; Pantaleon; PN, Bugaba. BMNH.
Dist. CA: GT, NC, PN. **CI:** GN, SV, TT.
Ref.: Carpintero *et al.*, 1996 (cat.).

Solenonotus sulcifer (Stål, 1860)
Anthocoris sulcifer Stål, 1860: 43. STS. BR, Rio Janeiro. NHRS.
Dist. CA: PN. **SA:** BO, BR, CO.
Ref.: Reuter, 1871b (n. gen.); Stål, 1873 (cat.); Reuter, 1884(desc.); Champion, 1900 (key, desc.).

Genus ***Zopherocoris*** Reuter, 1871

Zopherocoris Reuter, 1871b: 565. Type species by monotypy: *Anthocoris armatus* Stål, 1860.
Ref.: Reuter, 1884 (desc.).

Zopherocoris armatus (Stål, 1860)
Anthocoris armatus Stål, 1860: 43. STS. BR. Rio Janeiro. NHRS.
Dist. CA: PN. **SA:** BR, CO.
Ref.: Reuter, 1871b (n. gen.); Stål, 1873 (cat.); Reuter, 1884(desc.).

Subfamily **ANTHOCORINAE** Fieber, 1836

Tribe **ANTHOCORINI** Fieber, 1836

Genus ***Anthocoris*** Fallén, 1814

Anthocoris Fallén, 1814: 9. Type species by subsequent designation (Westwood, 1840: 122): *Cimex nemorum* Linnaeus, 1761.
Ref.: Reuter, 1884 (key desc.); Champion, 1900 (key, desc.); Péricart, 1972 (monog.); Kelton, 1978 (key, desc.); Lattin & Stanton, 1992 (desc.).

Anthocoris albiger Reuter, 1884
Anthocoris albiger Reuter, 1884: 625. STS. MX, Orizaba. NHMW. **Dist. CA:** GT, MX.
Ref.: Champion, 1900 (dist. note); Van Duzee, 1917 (cat.).

Anthocoris antevolens Buchanan–White, 1879
Anthocoris antevolens Buchanan–White, 1879: 146. STS. United States, California. MNHN.
Dist. CA: MX. **SA:** VN.
Ref.: Reuter,1884 (desc.); Champion, 1900 (dist. note); Poppius, 1913 (rec.); Van Duzee, 1917 (cat.); Kelton, 1978 (desc.); Lattin & Stanton, 1992 (biol.).

Anthocoris dentipes Champion, 1900
Anthocoris dentipes Champion, 1900: 325. STS. PN, Tolé; Peña Blanca. BMNH.
Dist. CA: PN.

Anthocoris fulvipennis Reuter, 1884
Anthocoris fulvipennis Reuter, 1884: 624. HT: female. MX, Tukubaja. NHMW.
Dist. CA: MX.
Ref.: Champion, 1900 (dist. note); Van Duzee, 1917 (cat.).

Anthocoris nigripes Reuter, 1884
Anthocoris nigripes Reuter, 1884: 624. HT: female. MX. NHMW.
Dist. CA: MX.
Ref.: Champion, 1900 (dist. note); Poppius 1913 (rec.); van Duzee, 1917 (cat.).

Anthocoris obsoletus (Blanchard, 1853) (N. COMB.)
Xylocoris obsoletus Blanchard, 1853: 140. STS. CH. MNHN(lost).
Dist. SA: CH (VII).
Ref.: Signoret, 1863 (desc.); Stål, 1873 (cat.); Reuter, 1884(desc.).

Anthocoris rufotinctus Champion, 1900
Anthocoris rufotinctus Champion, 1900: 325. HT: male. GT, C° Zunil. BMNH.
Dist. CA: GT.

Anthocoris variicornis Champion, 1900
Anthocoris variicornis Champion, 1900: 325. HT: female. PN,Vn. de Chiriqui. BMNH.
Dist. CA: MX, PN.

Anthocoris variipes Champion, 1900
Anthocoris variipes Champion, 1900: 324. STS. GT, Quetzaltenango; Totonicapan; C° Zunil. BMNH.
Dist. CA: ES, GT, MX.

Genus ***Elatophilus*** Reuter, 1884

Elatophilus Reuter, 1884: 616. Type species by subsequent designation (Kirkaldy 1906: 120): *Temnostethus nigrellus* Zetterstedt, 1838.
Ref.: Kelton, 1978 (desc.).

Subgenus ***Elatophilus*** Reuter, 1884
Elatophilus antennatus Kelton, 1976
Elatophilus antennatus Kelton, 1976: 634. HT: female. MX, Chiapas. CNCI.
Dist. CA: MX.

Genus ***Macrotrachelia*** Reuter, 1871

Macrotrachelia Reuter, 1871b: 566. Type species by monotypy: *Anthocoris nigronitens* Stål, 1860.
Ref.: Reuter, 1884 (desc.); Champion, 1900 (key, desc.).

Macrotrachelia albovittata Champion, 1900

Macrotrachelia albovittata Champion, 1900: 320. HT: female. GT, Cº Zunil. BMNH.
Dist. CA: GT.

Macrotrachelia elongata Champion, 1900
Macrotrachelia elongata Champion, 1900: 319. STS. PN, Vn. de Chiriqui. BMNH.
Dist. CA: PN.

Macrotrachelia nigronitens (Stål, 1860)
Anthocoris nigronitens Stål, 1860: 43. HT: male. BR, Rio Janeiro. NHRS.
Dist. CA: PN. **SA:** AR(bue), BR.
Ref.: Reuter, 1871b (desc.); Stål, 1873(cat.); Reuter, 1884 (desc.); Champion, 1900 (dist. note).

Macrotrachelia nitida Champion, 1900
Macrotrachelia nitida Champion, 1900: 320. HT: male. PN, Vn. de Chiriqui. BMNH.
Dist. CA: PN.

Macrotrachelia opacipennis Champion, 1900
Macrotrachelia opacipennis Champion, 1900: 321. HT: female. PN, Boquete in Chiriqui. BMNH.
Dist. CA: PN.

Macrotrachelia thripiformis Champion, 1900
Macrotrachelia thripiformis Champion, 1900: 320. STS. GT, San Gerónimo; Las Mercedes. BMNH.
Dist. CA: GT.

Genus ***Melanocoris*** Champion, 1900

Melanocoris Champion, 1900: 329. Type species by monotypy: *Melanocoris obovatus* Champion, 1900.
Ref.: Kelton, 1978 (key, desc.).

Melanocoris nigricornis Van Duzee, 1921
Melanocoris nigricornis Van Duzee, 1921: 143. HT: female. United States, California. CASC.
Dist. CA: MX.
Ref.: Kelton, 1978 (desc.); Lattin & Stanton, 1992 (biol.).

Melanocoris obovatus Champion, 1900
Melanocoris obovatus Champion, 1900: 330. HT: female. GT, Totonicapan. BMNH.
Dist. CA: GT.
Ref.: Kelton, 1978 (desc.).

Tribe ORIINI Carayon, 1958

ORIINI Carayon, 1958: 154. Type genus: *Orius* Wolff, 1811.
Ref.: Carayon, 1972a (desc.); Péricart, 1972 (desc.); Kelton, 1978 (desc.).

Genus ***Macrotracheliella*** Champion, 1900

Macrotracheliella Champion, 1900: 322. Type species by monotypy: *Macrotracheliella laevis* Champion, 1900.
Ref.: Kelton, 1978 (desc.).

Macrotracheliella conica (Blanchard, 1853)
Xylocoris conicus Blanchard, 1853: 137. STS. CH. N. (transferred to *Macrotracheliella* by Carayon, 1972b).
Dist. SA: AR (sal), BR, CH (VII), PE.
Ref.: Signoret, 1863 (desc.); Stål, 1873 (cat.); Reuter, 1884 (desc.).

Macrotracheliella laevis Champion, 1900
Macrotracheliella laevis Champion, 1900: 322. STS. MX, Teapain Tabasco; PN, Bugaba; Vn. de Chiriqui. BMNH.
Dist. CA: MX, NC, PN. **SA:** AR (bue, cba, mis), BO, BR, PE.
Ref.: Drake & Harris, 1926 (desc.); Carpintero *et al.*, 1996 (cat.).

Genus ***Orius*** Wolff, 1811

Orius Wolff, 1811: 167. Type species by monotypy: *Salda nigra* Wolff, 1804.
Triphleps Fieber, 1860: 266 (syn. Schumacher, 1922: 338). Type species by subsequent designation (Kirkaldy, 1906: 120): *Salda nigra* Wolff, 1804.
Ref.: Stål, 1873 (cat.); Reuter, 1884 (desc.); Champion, 1900 (desc.); Herring, 1966b (key, desc.); Péricart, 1972 (key, desc.); Kelton, 1978 (key, desc.).

Orius alcides Herring, 1966b
Orius alcides Herring, 1966b: 1101. HT: male. PE, Piura. USNM.
Dist. SA: PE.

Orius brevicollis (Blanchard, 1853)
Xylocoris brevicollis Blanchard, 1853: 138. STS. CH. MNHN.

Triphleps lepidus Reuter, 1871b: 564 (misidentification, nec Stål, 1860).
Triphleps reedi Buchanan–White, 1879: 145 **(N. SYN.)**. HT. CH,Valparaiso. PMAG (lost).
Dist. SA: AR (bue, cat, cba, cha, cor, ent, juj, lar, mis, rio, sal, sfe, slu, sju, sde, tuc), BO, CH (I, IV, V, VI, VII,VIII, IX).
Ref.: Signoret, 1863 (desc.); Stål, 1873 (cat.); Reuter, 1884(desc.); Poppius, 1909 (rec.); Herring, 1966b (desc.).

Orius championi Herring, 1966
Orius championi Herring, 1966b: 1095. HT: male. CO, Cundinamarca. USNM.
Triphleps fuscus Champion, 1900: 326 (misidentification, *nec* Reuter, 1884).
Dist. CA: MX. **SA:** CO, EC.

Orius euryale Herring, 1966
Orius euryale Herring, 1966b: 1103. HT: male. MX, Querétaro. USNM.
Dist. CA: MX.

Orius flaviceps (Poppius, 1909)
Triphleps flaviceps Poppius, 1909: 38. LT: male (designated by Herring, 1966b: 1094). GD. HNHM.
Dist. CA: MX. **CI:** CY, GD.

Orius florentiae Herring, 1966
Orius florentiae Herring, 1966b: 1095. HT: male. CO, Pasto Narino. USNM.
Dist. SA: BO, CH(I), CO, EC, PE.
Ref.: Froeschner, 1981 (rec.).

Orius fuscus (Reuter, 1884)
Triphleps fuscus Reuter, 1884: 654. LT: female (designated by Herring, 1966b: 1095). CO, Bogotá. SMNH.
Dist. CA: MX. **SA:** CO, VN.
Ref.: Champion, 1900 (desc.); Poppius, 1909 (rec.); 1913 (rec.); Herring, 1966b (desc.).

Orius insidiosus (Say, 1832)
Reduvius insidiosus Say, 1832: 32. STS. United States. USNM (lost).
Anthocoris lepidus Stål, 1860: 43 (syn. Reuter, 1884: 97). STS. BR. SMNH.
Anthocoris parvulus Blanchard, 1853: 141 **(N. SYN.)**. STS. CH. MNHN (lost).
Dist. CA: CR, GT, MX, NC, PN. **CI:** CB, CY, GD, GN, JM, PR, VG, SV. **SA:** AR (bue, cat, cba, cor, ent, for, lap, mza, mis, neu, rio, sal, sde, sfe, slu, sju, tuc), BO, BR, CH(VI, VII), CO, PA, PE, UR (col, mvi).
Ref.: Signoret, 1863 (desc.); Reuter, 1871b (desc.); Stål, 1873 (cat.); Berg, 1878 (rec.); Reuter, 1884 (desc.); Champion, 1900 (rec.); Van Duzee, 1907 (rec.); Poppius, 1909 (rec.); 1913 (rec.); Van Duzee, 1917 (cat.); Blatchley, 1926 (desc.); da Costa Lima, 1940 (rec, biol.); Ruffinelli & Piran, 1959 (cat.); Beingolea Guerrero, 1962 (biol.); Kelton, 1963 (desc.); Herring, 1966b (rec.); Kelton, 1978 (desc.); Carpintero *et al.*, 1996 (rec.).

Orius ixionides Herring, 1966b
Orius ixionides Herring, 1966b: 1100. HT: male. HD, Tegucigalpa. USNM.
Dist. CA: HD, NC.

Orius jasiones Herring, 1966b
Orius jasiones Herring, 1966b: 1100. HT: male. HD,Tegucigalpa. USNM.
Dist. CA: HD.

Orius lesliae Herring, 1966b
Orius lesliae Herring, 1966b: 1096. HT: female. PE. USNM.
Dist. SA: CH(I), PE.

Orius pallidus (Poppius, 1909)
Triphleps pallidus Poppius, 1909: 39. HT: female. AR (tuc). HNHM.
Dist. SA: AR(bue, cor, ent, juj, mis, sal, sde, tuc), BR, PA.
Ref.: Herring, 1966b (desc.).

Orius pele Herring, 1966b
Orius pele Herring, 1966b: 1096. HT: male. CO, Mares above Cali. USNM.
Dist. SA: CO.

Orius perpunctatus (Reuter, 1884)
Triphleps perpunctatus Reuter, 1884: 655. HT: male. MX, Vera Cruz. SMNH.
Triphleps fuscus Champion, 1900: 326 (misidentification, *nec* Reuter).
Triphleps aterrimus Champion, 1900: 328. HT: female. PN, Peña Blanca. BMNH (syn. Herring, 1966b: 1099).
Dist. CA: CR, GT, HD, MX, NC, PN. **CI:** GN, SV. **SA:** AR (cor, mis), BO, BR, PE, VN.
Ref.: Uhler, 1894 (rec.); Poppius, 1909 (rec.); Blatchley, 1926 (desc.); Kelton, 1963 (desc.); Carpintero *et al.*, 1996 (rec.).

Orius pumilio (Champion, 1900)
Triphleps pumilio Champion, 1900: 327. HT: male. GT. BMNH.
Dist. CA: GT, MX, NC. **CI:** CB, JM.
Ref.: Kelton, 1963 (desc.); Herring, 1966b (desc.); Carpintero *et al.*, 1996 (rec.).

Orius thyestes Herring, 1966b
Orius thyestes Herring, 1966b: 1099. HT: male. CL, Palmira, Valle. USNM.
Dist. SA: CO.

Orius tristicolor (Buchanan–White, 1879)
Triphleps tristicolor Buchanan–White, 1879: 145. STS. UnitedStates, California. PMAG (lost).
Dist. CA: BZ, CR, GT, HD, MX, PN. **CI:** BA. **PC:** GA. **SA:** AR(bue, cor, mza, rio, sfe), BR, CO, PE.
Ref.: Reuter, 1884 (desc.); Champion, 1900 (rec.); Poppius, 1909 (rec.); 1913 (rec.); Van Duzee, 1917 (cat.); Kelton, 1963 (desc.); 1966 (desc.); Herring, 1966a (rec.); 1966b (desc.); Kelton, 1978 (desc.); Froeschner, 1985 (rec.); Lattin & Stanton, 1992 (biol.).

Genus ***Paratriphleps*** Champion, 1900

Paratriphleps Champion, 1900: 328. Type species by monotypy: *Paratriphleps laeviusculus* Champion, 1900.

Paratriphleps laeviusculus Champion, 1900
Paratriphleps laeviusculus Champion, 1900: 329. HT: female. PN, Volcan de Chiriqui. BMNH.
Dist. CA: HD, MX, NC, PN. **CI:** PR. **SA:** PE.
Ref.: Drake & Harris, 1926 (rec.); Beingolea Guerrero, 1962 (biol.); Drake & Herring, 1964 (rec.).

Paratriphleps pallidus (Reuter, 1884)
Brachysteles pallidus Reuter, 1884: 673. STS. VG, St. Jean & St. Thomas Is. ZMHB (transferred to *Paratriphleps* by Champion, 1900: 329).
Dist. CI: GN, SV, VG.
Ref.: Uhler, 1894 (rec.); Van Duzee, 1917 (cat.); Blatchley, 1926 (desc.).

INCERTAE SEDIS

Genus ***Opisthypselus*** Reuter, 1908

Opisthypselus Reuter, 1908: 5. Type species by monotypy: *Opisthypselus punctaticollis* Reuter, 1908.

Opisthypselus punctaticollis Reuter, 1908
Opisthypselus punctaticollis Reuter, 1908: 5. STS. VN, La Moka. MZHF.
Dist. SA: VN, BR.

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